



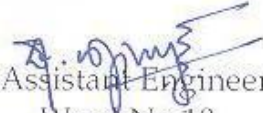
BRUHAT BANGALORE MAHANAGARA PALIKE

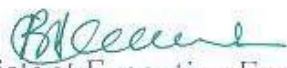
Office of the Executive Engineer, Hebbal Division, JC Nagar
Main road, Bangalore-06.

REGARDING QUALITY CONTROL - CERTIFICATE

On verification of quality control test reports available in the file and also from inspection report of Technical Team Deployed for this purpose generally the work executed is satisfactory. Compliance of quality control test report as per MORT&H at this stage is not - feasible since this work was executed 2 (Two) (as case may be) years back.

Name: of work: Construction of Drain in 8th Cross AECS Layout in Ward No.18


Assistant Engineer
Ward No.18


Assistant Executive Engineer
Hebbal Sub-Division,
BBMP.


Executive Engineer
Hebbal Division
BBMP
28/01/15



KARNATAKA TEST HOUSE PVT. LTD.

MATERIAL TESTING LABORATORY

778/44, Gokul 1st Stage, 2nd Phase, 8th Cross, Triveni Road,
Yeshwanthpur, Bangalore - 560 054.

Tel.: 23378383 Telefax : 23375326, E-mail : kthblr@gmail.com Website : www.karnatakatesthouse.com

Report No. : KTH/C.AGG/2481-42476/2013-2014

Date: 12.02.2014

TEST REPORT ON AGGREGATE (Coarse Aggregate)

Name of the Customer* : **The Assistant Executive Engineer,**
Hebbal Sub Division,
BBMP, Bangalore.

Name of the Project* : Construction of Drain in 8th Cross, AECS Layout in Ward No.18.

Name of Contractor* : Mr. Murali Mohan, Bangalore.

Source of Sample : Supplied by the Contractor.

Sample Received on : 08.02.2014.

Technical Reference : IS: 2386 Part I to VIII- 1963 (Reaffirmed-2002), IS: 383 - 1970.

Sieve Analysis of Coarse Aggregate - 40mm & down size

Sl. No.	Sieve size mm	% Passing	IS : 383-1970 Stipulations		Remarks
			Single Size	Graded Size	
1	63	100	100	100	Sample confirms to Single Size for IS: Stipulation of 40mm size Aggregate
2	40	86.6	85 to 100	95 to 100	
3	20	1.8	0 to 20	30 to 70	
4	12.5	-	0 to 20	-	
5	10	-	0 to 5	10 to 35	
6	4.75	-	-	0 to 5	

Sl. No.	Test Conducted	Identification mm.	Results	IS : 383 - 1970 Stipulations
1	Flakiness Index (%)	40	11.00	Not specified
2	Elongation Index (%)	40	19.54	Not specified
3	Impact Value (%)	40	21.80	Shall not be more than 45% for Concrete and 30% for Wearing surfaces, such as runways, roads and pavements.

* As furnished by the Customer

For KARNATAKA TEST HOUSE PVT. LTD.

AE-18
12
Asst. Executive Engineer
Hebbal Sub-Division
Queen's Road,
Bangalore Mahanagara Palike
Bangalore - 56.



Sreenivasa C.
(SREENIVASA.C.)
TECHNICAL MANAGER

Note : 1) This report is not to be reproduced except in full without our prior permission in writing.
2) The results listed refer only to the tested samples and applicable parameters.



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Yeshwanthpur, Bangalore - 560 054.

Tel.: 23378383 Telefax : 23375326, E-mail : kthblr@gmail.com Website : www.karnatakatesthouse.com

Report No. : KTH/F.AGG/2481-4248b/2013-2014

Date: 12.02.2014

TEST REPORT ON AGGREGATE

(Fine Aggregate)

Name of the Customer* : The Assistant Executive Engineer,
Hebbal Sub Division,
BBMP, Bangalore.

Name of the Project* : Construction of Drain in 8th Cross, AECS Layout in Ward No.18.

Name of Contractor* : Mr. Murali Mohan, Bangalore.

Source of Sample : Supplied by the Contractor.

Sample Received on : 08.02.2014.

Technical Reference : IS : 2386 Part I to VIII- 1963 (Reaffirmed-2002), IS : 383 - 1970.

Sieve Analysis of Fine Aggregate (River Sand)

Sl. No.	Sieve size mm	% Passing	IS : 383 - 1970 Specification				Remarks
			% passing for Zone I	% passing for Zone II	% passing for Zone III	% Passing for Zone IV	
1	10	100.0	100	100	100	100	Falls in Zone -I as per table 4 of IS-383 - 1970.
2	4.75	91.5	90 - 100	90 - 100	90 - 100	95 - 100	
3	2.36	80.1	60 - 95	75 - 100	85 - 100	95 - 100	
4	1.18	39.4	30 - 70	55 - 90	75 - 100	90 - 100	
5	0.600	19.6	15 - 34	35 - 59	60 - 79	80 - 100	
6	0.300	6.5	5 - 20	8 - 30	12 - 40	15 to 50	
7	0.150	1.1	0 - 10	0 - 10	0 - 10	0 to 15	

Sl. No.	Test Conducted	Results	IS : 383 - 1970 Stipulations
1.	Materials finer than 75 microns (%) (Deleterious Material)	0.95	Shall not be more than 3.0 %
2.	Fineness Modulus	3.1	Min - 2.0 Max - 3.5

* As furnished by the Customer

For KARNATAKA TEST HOUSE PVT. LTD.



(SREENIVASA.C.)
TECHNICAL MANAGER

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E-Mail : kthblr@gmail.com Web Site : www.karnatakatesthouse.com

Report No. : KTH/CT/2485-4256b/2013-2014

Date: 21.02.2014

TEST REPORT ON CONCRETE CUBES

To,

The Assistant Executive Engineer,
Hebbal Sub Division,
BBMP Bangalore.

Name of the Project*: - Construction of Drain in 8th Cross, AECS Layout in Ward No.18.

Name of the Contractor*: Mr. Murali Mohan, Bangalore.

Sample Received on: 10.02.2014

Compressive Strength test as per IS: 516-1959 (Reaffirmed 1999) has been conducted on the concrete cube specimens, supplied by the Customer and the results are tabulated here below:

Dimension of Specimen: 150mmx150mmx150mm

Sl. No	Cubes pertaining to the concrete cast at*(Details of structural member identification)	Grade of Concrete*	Date of casting*	Date of Testing	Age of Concrete on the date of test**	Contact area (mm ²)	Weight of Specimen (Kg)	Load in KN	Compressive Strength in N/mm ²
1.	Drain Concrete	M ₂₀	23.01.2013	20.02.2014	28 days	22500	8.085	510	22.66
2.		"	"	"	"	"	8.075	679	30.17
3.		"	"	"	"	"	8.280	685	30.44

1 N/Sq.mm = 10Kg/Sq.cm.(Approx.)

*As Furnished by the Customer

**Based on the data furnished by the Customer

Note: A minimum of three cube specimens shall be supplied for testing as per IS: 516-1959.



for KARNATAKA TEST HOUSE PVT. LTD.

(SREENIVASA.C.)
TECHNICAL MANAGER



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